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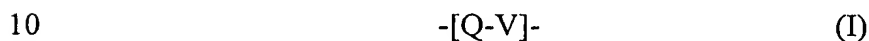
JC17 Rec'd PCT/PTO 04 MAY 2005

ENGLISH TRANSLATION OF EXAMINATION REPORT ANNEX

NEW CLAIMS:

1) A formulation comprising:

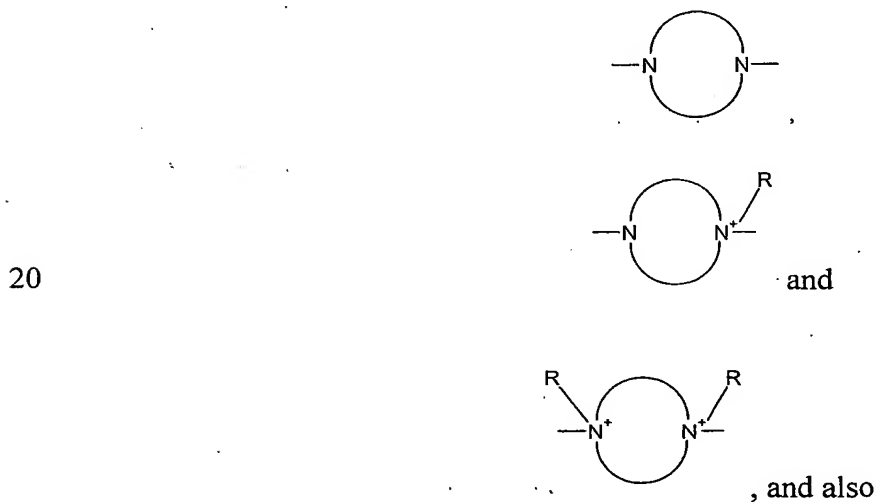
- 5 a) at least one nitrogen-free polysiloxane compound,  
b) at least one polyamino- and/or polyammonium-polysiloxane compound b1) which is selected from polysiloxane compounds which contain at least one unit of the formula (I):



in which Q is selected from the group consisting of:



a saturated or unsaturated diamino-functional heterocycle of the formulae:



an aromatic diamino-functional heterocycle of the formula:

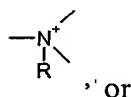


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a trivalent radical of the formula:



a trivalent radical of the formula:



5 a tetravalent radical of the formula



in which R is in each case hydrogen or a monovalent organic radical,

where Q is not bonded to a carbonyl carbon atom,

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V is at least one constituent which is selected from the group consisting of V<sup>1</sup>, V<sup>2</sup> and V<sup>3</sup>, where

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V<sup>2</sup> is selected from divalent, straight-chain, cyclic or branched, saturated, unsaturated or aromatic hydrocarbon radicals which have up to 1000 carbon atoms (not counting the carbon atoms of the polysiloxane radical Z<sup>2</sup> defined below) and may optionally contain one or more groups selected from

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-O-, -CONH-,

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-CONR<sup>2</sup>-, in which R<sup>2</sup> is hydrogen, a monovalent, straight-chain, cyclic or branched, saturated, unsaturated or aromatic hydrocarbon radical which has up to 100 carbon atoms, may contain one or more groups selected from -O-, -NH-, -C(O)- and -C(S)-, and may optionally be substituted by one or more substituents selected from the group consisting of a hydroxyl group, an optionally substituted heterocyclic group preferably containing one or more nitrogen atoms, amino, alkylamino, dialkylamino, ammonium, polyether radicals and polyether

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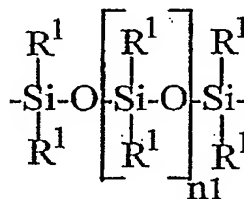
ester radicals, where, when a plurality of  $-\text{CONR}^2$  groups is present, they may be the same or different,

$-\text{C(O)}-$  and  $-\text{C(S)}-$ ,

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the  $\text{V}^2$  radical may optionally be substituted by one or more hydroxyl groups, and

the  $\text{V}^2$  radical contains at least one  $-\text{Z}^2-$  group of the formula



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in which

$\text{R}^1$  may be the same or different and is selected from the group consisting of:  $\text{C}_1$  to  $\text{C}_{22}$  alkyl, fluoro( $\text{C}_1$ - $\text{C}_{10}$ )alkyl and  $\text{C}_6$ - $\text{C}_{10}$  aryl, and

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$n_1 = \text{from } 20 \text{ to } 1000,$

$\text{V}^1$  is selected from divalent, straight-chain, cyclic or branched, saturated, unsaturated or aromatic hydrocarbon radicals which have up to 1000 carbon atoms and may optionally contain one or more groups selected from

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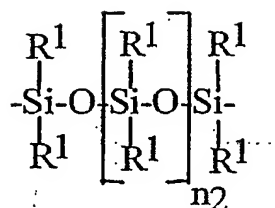
$-\text{O}-$ ,  $-\text{CONH}-$ ,

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$-\text{CONR}^2-$ , in which  $\text{R}^2$  is as defined above, where the  $\text{R}^2$  groups in the  $\text{V}^1$  and  $\text{V}^2$  groups may be the same or different,

$-\text{C(O)}-$ ,  $-\text{C(S)}-$  and  $-\text{Z}^1-$ , where  $-\text{Z}^1-$  is a group of the formula

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in which

$\text{R}^1$  is as defined above, where the  $\text{R}^1$  groups in the  $\text{V}^1$  and  $\text{V}^2$  groups may be the same or different, and

5  $n_2 = \text{from } 0 \text{ to } 19,$

and the  $\text{V}^1$  radical may optionally be substituted by one or more hydroxyl groups, and

10  $\text{V}^3$  is a trivalent or higher-valency, straight-chain, cyclic or branched, saturated, unsaturated or aromatic hydrocarbon radical which has up to 1000 carbon atoms, may optionally contain one or more groups selected from

15  $-\text{O}-$ ,  $-\text{CONH}-$ ,  $-\text{CONR}^2-$ , in which  $\text{R}^2$  is as defined above,  $-\text{C}(\text{O})-$ ,  $-\text{C}(\text{S})-$ ,  $-\text{Z}^1-$  which is as defined above,  $-\text{Z}^2-$  which is as defined above and  $\text{Z}^3$ , where  $\text{Z}^3$  is a trivalent or higher-valency organopolysiloxane unit, and

20 may optionally be substituted by one or more hydroxyl groups,

where, in said polysiloxane compound, in each case one or more  $\text{V}^1$  groups, one or more  $\text{V}^2$  groups and/or one or more  $\text{V}^3$  groups may be present,

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with the proviso

— that said polysiloxane compound contains a plurality of  $\text{V}^2$  groups,

- that said polysiloxane compound contains at least one  $V^1$ ,  $V^2$  or  $V^3$  group which contains at least one  $-Z^1-$ ,  $-Z^2-$  or  $Z^3$  group, and
  - that the tri- and tetravalent Q radicals either serve to branch the main chain formed from Q and V, so that the valencies which do not serve for bonding in the main chain bear further branches formed from  $-[Q-V]-$  units, or the tri- and tetravalent Q radicals are saturated with  $V^3$  radicals within a linear main chain without formation of a branch,
- and wherein the positive charges resulting from ammonium groups are neutralized by organic or inorganic acid anions, and acid addition salts thereof,
- and optionally at least one amino- and/or ammonium-polysiloxane compound b2)
- c) optionally one or more silicone-free surfactants,
  - d) optionally one or more coacervate phase formation agents,
  - e) optionally one or more carrier substances.
- 2) The formulation as claimed in claim 1, characterized in that it contains, based on the total amount of components a) and b), from 5 to 99% by weight of component a) and from 1 to 95% by weight of component b).
- 3) The formulation as claimed in claim 1 or 2, in which the component e) is selected from solid carrier substances f) and/or liquid carrier substances g).
- 4) The formulation as claimed in one of claims 1 to 3, characterized in that it contains, based on 100 parts by weight of components a) and b), from 0 to 1500 parts by weight of components c), d) and e).
- 5) The formulation as claimed in one of claims 1 to 4, characterized in that it contains, based on 100 parts by weight of components a) and b), from 0 to 70 parts by weight of component c).

- 6) The formulation as claimed in one of claims 1 to 5, characterized in that it contains, based on 100 parts by weight of components a) and b), from 0 to 10 parts by weight of component d).
- 5 7) The formulation as claimed in one of claims 1 to 6, characterized in that it contains, based on 100 parts by weight of components a) and b), from 0 to 710 parts by weight of component f).
- 10 8) The formulation as claimed in one of claims 1 to 7, characterized in that it contains, based on 100 parts by weight of components a) and b), from 0 to 710 parts by weight of component g).
- 15 9) The formulation as claimed in one of claims 1 to 8, characterized in that component a) is at least one constituent which is selected from the group consisting of: straight-chain, cyclic, branched and partially crosslinked polyorganosiloxanes.
- 20 10) The formulation as claimed in one of claims 1 to 9, characterized in that the amino- and/or ammonium-polysiloxane compound b2) is a polysiloxane compound which contains amino and/or ammonium groups in the pendent groups of a polyorganosiloxane main chain.
- 25 11) The formulation as claimed in one of claims 1 to 10, characterized in that the silicone-free surfactant as component c) is at least one constituent which is selected from nonpolymerized, organic, quaternary ammonium compounds.
- 30 12) The formulation as claimed in one of claims 1 to 11, characterized in that the coacervate phase formation agent as component d) comprises at least one constituent which is selected from cationic, silicone-free polymer compounds.
- 13) The formulation as claimed in one of claims 3 to 12, characterized in that the

solid carrier substance f) is at least one constituent which is selected from the group of the water-soluble compounds which have a solubility in water of at least 100 grams/liter at 20°C.

- 5     14)     The formulation as claimed in one of claims 3 to 13, characterized in that the liquid carrier substance g) is at least one constituent which is selected from the group consisting of water and water-miscible organic solvents.
- 10     15)     The formulation as claimed in one of claims 1 to 14, characterized in that it is solid or liquid at 40°C.
- 15     16)     A process for preparing the formulation as claimed in one of claims 1 to 15, which comprises the steps of:  
a) mixing components a) and b) to give a homogeneous premixture, and  
b) optionally introducing components c), d) and/or e).
- 17)     The use of the formulation as claimed in one of claims 1 to 15 in cosmetic formulations, in laundry detergents or for the surface treatment of substrates.
- 20     18)     The use of the formulation as claimed in one of claims 1 to 15 and 17 for fiber treatment or fiber finishing.
- 25     19)     The use of the formulation as claimed in one of claims 1 to 15, 17 and 18 as a formulation for the treatment of textiles and other natural and synthetic fiberlike materials including paper.
- 20)     The use of the formulation as claimed in one of claims 1 to 15, 17, 18 and 19 as a softener.